

# CCB Meeting

## Decision Summary

Thurs., March 18, 2004  
9:00 a.m.  
Rockledge 1  
Fifth Floor Conference Room

### Requests Covered

	Submitted By	Area Affected	Type of Request	User Impact	Document Title
01	Tim Twomey	None	Change the reboot parameter on one of the commons server	Low	CCB_3_18_2004_item1
02	Manjeet Dadyala	Commons	Environment Change	High	CCB_3_18_2004_item2

### Request & Decision Summary

	Submitted By	Area Affected	Type of Request	User Impact	Document Title
01	Tim Twomey	None	Change the reboot parameter on one of the commons server	Low	CCB_3_18_2004_item1
	<p><b>Request:</b> The memory and thread leak problem was originally observed over one year ago. Since then there are a lot of changes in the environment as well as code. Additionally the metric that were used have also changed. Originally the thread leak was reported using the “top” utility of OS. But if now we are using OC4J dms tool for monitoring the threads. As the same time we are still unable to reproduce the problem in the test environment. So as a result we would like to see the dms tool results in the production environment. To do this, all we need to do is turn off automatic reboot on one of the three commons server.</p> <p><b>Goal:</b> Monitor runtime environment to verify the scenario that causes the production container to crash, gather information from logs and the system to get a snapshot of system as and when the problem occurs.</p> <p><b>Risks:</b> If and when the production container crashes, users who currently have a session on that container will have to re-login to continue their work. The commons site will always be available. The other users and new users will not be impacted by this.</p> <p><b>Steps:</b></p> <ol style="list-style-type: none"> <li>1. Disable cron job that re-cycles the production container on Corvus (9.0.2.3) running the Commons Application, every night at 11pm.</li> <li>2. Ops currently has a script that mails runtime statistics on an hourly basis, this script will mail runtime information every hour to Manjeet, Raghu and John.</li> <li>3. Monitor and track production logs (log4j.log and application.log) when memory utilization hits the threshold (80% of capacity). Monitoring the logs will be possible only during normal business hours.</li> <li>4. If and when the production container crashes, backup log files and re-cycle the production instance immediately. (This might not happen till sometime next week, because of the scheduled maintenance outage this weekend).</li> <li>5. This will be done twice to accurately verify that the problem is re-producible.</li> </ol> <p><b>Decision:</b> Approved</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Cron job to re-cycle the production container on Corvus nightly will be re-enabled.</li> <li>• If additional diagnostic steps that have potential user impact are needed, the team will bring the plan before the CCB. Otherwise, this issue will be handled off-line with a “heightened, coordinated focus”.</li> <li>• Architecture has the lead.</li> </ul>				
	Submitted By	Area Affected	Type of Request	User Impact	Document Title
	Manjeet Dadyala	Commons	Environment Change	High	CCB_3_18_2004_item2

	<p><b>Request:</b></p> <p>The 9iAS Release 2 installations used for the Commons Applications in the DEVELOPMENT, TEST and PRODUCTION environments use Oracle JDBC Driver version 9.0.1.3, the default version that is installed with the 9iAS software. We've been investigating the Thread and Memory Leak problems in the Commons Application and in an effort to isolate the problem we would like to upgrade the JDBC Driver classes used by the Middle-Tier software and applications to version 9.0.1.4, a certified combination with version 9.2.x of the Oracle RDBMS. This upgrade should assist in ruling out the JDBC Driver as the source of the problems. In addition, the applications will use upgraded JDBC Driver classes. The certification information was obtained at the Oracle Metalink Support Site.</p> <p>We would like to implement the JDBC upgrade in the DEVELOPMENT and TEST Commons and CommonsDemo environments and then schedule the upgrade to the PRODUCTION environments. However, we advise that testing be performed by appropriate personnel after the upgrades to the DEVELOPMENT environment to assess the impact of the upgrade. If the personnel performing the test verify that the application is functioning properly, we will schedule a roll out to the TEST environment. Following the TEST environment upgrade, testing will have to be performed. If the personnel performing the test verify that the application is functioning properly, we will schedule a roll out to the PRODUCTION environment. If the testers determine that the JDBC Driver upgrade has introduced problems in the DEVELOPMENT, TEST, and/or PRODUCTION environments, we will back out the upgrade and reassess.</p> <p><b>Decision:</b> Discussion deferred</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Configuration Management (CM) has the lead for planning patch releases and will work collaboratively with Systems Operations and Testing teams.</li> <li>• Items of this type will be bundled, when possible, to leverage testing resources.</li> </ul>
	<p><b>Additional Discussion Topic:</b></p> <p>Tim Twomey reported that the virus issues that had affected the upload of critiques several weeks ago is under control. Steps taken to minimize risk have been successful. Tim will submit an email CCB with a plan for <i>next steps</i>.</p>